## MEASUREMENT BOOK

| Date | Full description, etc. of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | upto date : 5,65,16,605<br>Already p : 2,75,48,716<br>Present : 2,89,67,889<br>2% IT : 5,79,358<br>4% VAT : 11,58,716<br>1% CESS : 2,89,679<br>0.1% CGF : 28,968<br>TTD : 20,56,721<br>Net : 2,69,11,168 | | | | | | |

Audited & Admitted for Rs. 2,89,67,889/-
2,69,11,168/- by Cheque
and Rs. 20,56,721/- by Adjustment

Asstt. Supdt.
Project Division
B.S.M.P.

Exe. Engineer
Project Division
B.S.M.P

13/3

# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Construction of Swimming pool at Allalasandra Lake Premises in ward no.04 of Yelahanka Assembly Constituency**

**Agency: Sri.K.V.Krishna Reddy (M/s.Ramkrishy Infrastructure Pvt ltd.,)**

**MEASUREMENT SHEET - RA BILL No.2ND AND PART**

**Measurements taken on:** 03-02-2017

| Chainage | | Unit | No | Col/ Beam /Cantiviler | Length | 25mm | 20mm | 16mm | 12mm | 10mm | 8mm | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Item No.14 | Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500with all lead and lift and directions of the Engineer-In-charge of the work | | | | | | | | | | | |
| | | Tonne | | | | | | | | | | |
| **1) Retaining wall Raft bund side** | | | | | | | | | | | | |
| Bottom main @ 125 c/c | | | 675 | 1 | 2.00 | | | | **1350.00** | | | |
| Bottom distribution | | | 11 | 1 | 86.75 | | | | **954.25** | | | |
| Top main @ 125 c/c | | | 675 | 1 | 2.00 | | | | **1350.00** | | | |
| Top distribution | | | 6 | 1 | 86.75 | | | | **520.50** | | | |
| Chairs | | | 98 | 1 | 1.85 | | | | **181.30** | | | |
| **2) Retaining wall Raft drain side** | | | | | | | | | | | | |
| Bottom main @ 125 c/c | | | 258 | 1 | 2.00 | | | | **516.00** | | | |
| Bottom distribution | | | 8 | 1 | 33.65 | | | | **269.20** | | | |
| Top main @ 125 c/c | | | 258 | 1 | 2.00 | | | | **516.00** | | | |
| Top distribution | | | 6 | 1 | 33.65 | | | | **201.90** | | | |
| Chairs | | | 60 | 1 | 1.85 | | | | **111.00** | | | |
| **3) Retaining wall along bund side** | | | | | | | | | | | | |
| Longer bar 200 c/c | | | 430 | 2 | 3.90 | | | **3354.00** | | | | |
| Shorter bar 200 c/c | | | 430 | 2 | 3.30 | | | **2838.00** | | | | |
| Distribution (2 sides) | | | 19 | 2 | 86.00 | | | | **3268.00** | | | |

for RAMKRISHY INFRASTRUCTURE PVT LTD

NANDISH ASSOCIATES ARCHITECTS ENG. CONSULTANTS

Contractor's Representative

Assistant Engineer
Project Sub Division

Asst Executive Engineer
Project Sub Division
Yelahanka Zone

Measurements taken on:

| Chainage From | Chainage To | Unit | No | Col/ Beam /Cantiviler | Length | 25mm | 20mm | 16mm | 12mm | 10mm | 8mm | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| above 2.4 (1.0) | | | 4 | 2 | 86.00 | | | | 688.00 | | | |
| U-bars @ bottom | | | 62 | 1 | 1.25 | | | | 77.50 | | | |
| U-bars @ Center | | | 62 | 1 | 1.15 | | | | 71.30 | | | |
| 4) Retaining wall along drain side | | | | | | | | | | | | |
| Longer bar 200 c/c | | | 162 | 2 | 3.90 | | | 1263.60 | | | | |
| Shorter bar 200 c/c | | | 162 | 2 | 3.30 | | | 1069.20 | | | | |
| Distribution | | | 19 | 2 | 32.90 | | | | 1250.20 | | | |
| above 2.4 (1.0) | | | 7 | 2 | 32.90 | | | | 460.60 | | | |
| U-bars @ bottom | | | 25 | 1 | 1.25 | | | | 31.25 | | | |
| U-bars @ Center | | | 25 | 1 | 1.15 | | | | 28.75 | | | |
| | | Total Qty in Mtrs | | | | 0.00 | 0.00 | 8524.80 | 11845.75 | 0.00 | 0.00 | |

checked.

| | Total Mtrs | Constant Kg /Mtr | Total in Qtl |
|---|---|---|---|
| 16mm | 8524.80 | 1.58 | 13469.18 |
| 12mm | 11845.75 | 0.89 | 10542.72 |
| Total Qty in Tonne | | | 24.01 |
| Qty BF vide Item No.14, M.B No.90/09-10 & P.No.137410 | | | 110.20 |
| Upto Date Qty | | | 134.21 |
| DPQ vide Item No.14, M.B No.90/09-10 & P.No.137410 | | | 110.20 |
| Qty Now to be paid | | | 24.01 |

for NANDISH ASSOCIATES ARCHITECTS ENG. CONSULTANTS

Contractor's Representative

Assistant Engineer
Project Sub Division

Asst. Executive Engineer
Project Sub Division
Yelahanka Zone

# Bruhat Bangalore Mahanagara Palike

ıme of Work: Construction of Swimming pool at Allalasandra Lake Premises in ward no.04 of Yelahanka Assembly Constituency

**Agency: Sri.K.V.Krishna Reddy (M/s.Ramkrishy Infrastructure Pvt ltd.,)**

**MEASUREMENT SHEET - RA BILL No.2ND AND PART**

rements taken on: 04-02-17, 04.03-17, 09-03-17

| om | To | Particulars | Unit | No | Length | Bredth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| .31 | | Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixef concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25(for Staircase) with all lead and lift and directions of the Engineer-In-charge of the work | | | | | | | |
| ng wall-Bund side | | | Cum | | | | | | |
| ndation | | | | 1 | 86.00 | 1.50 | 0.45 | 58.05 | |
| de raft | | | | 1 | 32.90 | 1.50 | 0.45 | 22.21 | |
| al | | | 4/2 | | | | | **80.26** | |
| | | | | | | | | | |
| ng tank | | | | | | | | | |
| ng tank - Roof | | | | 1 | 15.20 | 7.60 | 0.20 | 23.10 | |
| ng tank - Beams | | | | 3 | 7.00 | 0.30 | 0.40 | 2.52 | |
| al | | | 4/3 | | | | | **25.62** | |
| | | | | | | | | | |
| g wall | | | | | | | | | |
| de wall | | | | 1 | 86.00 | 0.38 | 2.50 | 80.63 | |
| de wall | | | | 1 | 32.90 | 0.38 | 2.40 | 29.61 | |
| l | | | 4/2 | | | | | **110.24** | |
| | | | | | | | | | |
| outside below pipe over raft | | | | 7 | 1.20 | 0.60 | 0.40 | 2.02 | |
| below pipe from pool to balancing | | | | 3 | 1.20 | 0.60 | 1.00 | 2.16 | |
| outside below elbow concrete | | | | 7 | 1.20 | 0.60 | 1.00 | 5.04 | |
| ipe outside below pipe over raft | | | 9/3 | 3 | 1.20 | 0.60 | 0.40 | 0.86 | |

for NANDISH ASSOCIATES

r's Representative

Assistant Engineer
Project Sub Division

Assistant Executive Engineer
Project Sub Division
Yelahanka Zone
Bangalore

(66)

# Bruhat Bangalore Mahanagara Palike

Name of Work: Construction of Swimming pool at Allalasandra Lake Premises in ward no.04 of Yelahanka Assembly Constituency

**Agency: Sri.K.V.Krishna Reddy (M/s.Ramkrishy Infrastructure Pvt ltd.,)**

**MEASUREMENT SHEET - RA BILL No.2ND AND PART**

**Measurements taken on:**

| From | To | Particulars | Unit | No | Length | Bredth | Depth | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Suction pipe elbow side concrete | | | | 3 | 1.20 | 0.60 | 1.00 | 2.16 | |
| Concrete wall from pool to pump house | | | | 1 | 8.50 | 0.60 | 0.45 | 2.30 | |
| **Sub total** | | | | | | | | **14.54** | |
| **Balancing tank** | | | | | | | | | |
| Columns above roof | | | | 17 | 0.30 | 0.30 | 3.00 | 4.59 | |
| Lintels from pump house side | | | | 2 | 2.65 | 0.20 | 0.30 | 0.32 | |
| | | | | 2 | 2.55 | 0.20 | 0.30 | 0.31 | |
| | | | | 2 | 3.48 | 0.20 | 0.30 | 0.42 | |
| | | | | 2 | 3.37 | 0.20 | 0.30 | 0.40 | |
| | | | | 2 | 3.50 | 0.20 | 0.30 | 0.42 | |
| | | | | 2 | 3.35 | 0.20 | 0.30 | 0.40 | |
| Cross wall | | | | 5 | 3.35 | 0.20 | 0.30 | 1.01 | |
| **Sub total** | | | | | | | | **7.86** | |
| | | | | | | | **Total Qty** | **238.51** | |
| | | | | | | | **Qty BF vide Item No.31, M.B No.90/09-10 & P.No.137411** | **56.70** | |
| | | | | | | | **Upto Date Qty** | **295.21** | |
| | | | | | | | **DPQ vide Item No.31, M.B No.90/09-10 & P.No.137411** | **56.70** | |
| | | | | | | | **Qty Now to be paid** | **238.51** | |

checked.

for NANDISH ASSOCIATES ARCHITECTS ENG. CONSULTANTS

RAMKRISHY INFRASTRUCTURE PVT LTD BANGALORE

Contractor's Representative

Assistant Engineer
Project Sub Division

Assistant Executive Engineer
Project Sub Division
Yelahanka Zone
Bangalore

# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Construction of Swimming pool at Allalasandra Lake Premises in ward no.04 of Yelahanka Assembly Constituency**

**Agency: Sri.K.V.Krishna Reddy (M/s.Ramkrishy Infrastructure Pvt ltd.,)**

**MEASUREMENT SHEET - RA BILL No.2ND AND PART**

Measurements taken on: 15-2-17 & 5-3-17

| Chainage From | Chainage To | Unit | No | Col/ Beam /Cantiviler | Length | 25mm | 20mm | 16mm | 12mm | 10mm | 8mm | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Item No.33 | Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500 with all lead and lift and directions of the Engineer-In-charge of the work | | | | | | | | | | | |
| | | Tonne | | | | | | | | | | |
| **Pile Foundation-600mm** | | | | | | | | | | | | |
| Main bars | | | 64 | 12 | 16.50 | | | **12672.00** | | | | |
| rings | | | 64 | 8 | 1.80 | | | | | | **921.60** | |
| Spiral rings | | | 1 | 64 | 108.00 | | | | | | **6912.00** | |
| | | | | | | | | | | | | |
| **Pile Foundation-500mm** | | | | | | | | | | | | |
| Main bars | | | 12 | 12 | 16.50 | | | **2376.00** | | | | |
| rings | | | 12 | 8 | 1.60 | | | | | | **153.60** | |
| Spiral rings | | | 1 | 12 | 105.00 | | | | | | **1260.00** | |
| Gallery | | | 44 | 12 | 16.50 | | | **8712.00** | | | | |
| Rings | | | 44 | 8 | 1.55 | | | | | | **545.60** | |
| | | | 1 | 44 | 105.00 | | | | | | **4620.00** | |
| | | **Total Qty in Mtrs** | | | | **0.00** | **0.00** | **23760.00** | **0.00** | **0.00** | **14412.80** | |

| | Total Mtrs | Constant Kg /Mtr | | Total in Qtl |
|---|---|---|---|---|
| 16mm | 23760.00 | 1.58 | | 37540.80 |
| 8mm | 14412.80 | 0.39 | | 5620.99 |
| | | **Total Qty in Tonne** | | **43.16** |

Checked.

Contractor's Representative

Assistant Engineer
Project Sub Division

Asst Executive Engineer
Project Sub Division
Yelahanka Zone